

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Previously Presented) A filter system for carotid endarterectomy comprising:
proximal and distal members each having a distal and a proximal end and at least first and second lumens, the distal ends each comprising an inflatable balloon and each first lumen being in fluid communication with the respective inflation balloon;

a middle section positioned between the proximal and distal members, the middle section having a third lumen in fluid communication with each of the second lumens, a fourth lumen in fluid communication with each of the first lumens and a first inflation port, and a fifth lumen in fluid communication with a second port; and

a vascular filter system comprising a guidewire insertable into the second port and advanced through the second lumen of the distal member, wherein each of the the inflation balloons is capable of being inflated simultaneously, the vascular filter system comprising (a) a filter membrane support structure, and (b) a filter membrane attached to the filter membrane support structure, the filter membrane having holes, wherein the holes comprise variable diameters ranging from about 20 to about 300 microns, and (c) one or more fibers affixed to the circumference of the holes and configured to capture embolic material.

Claim 2 (Original) The filter system of claim 1 wherein said holes are non-uniformly spaced.

Claim 3 (Cancelled)